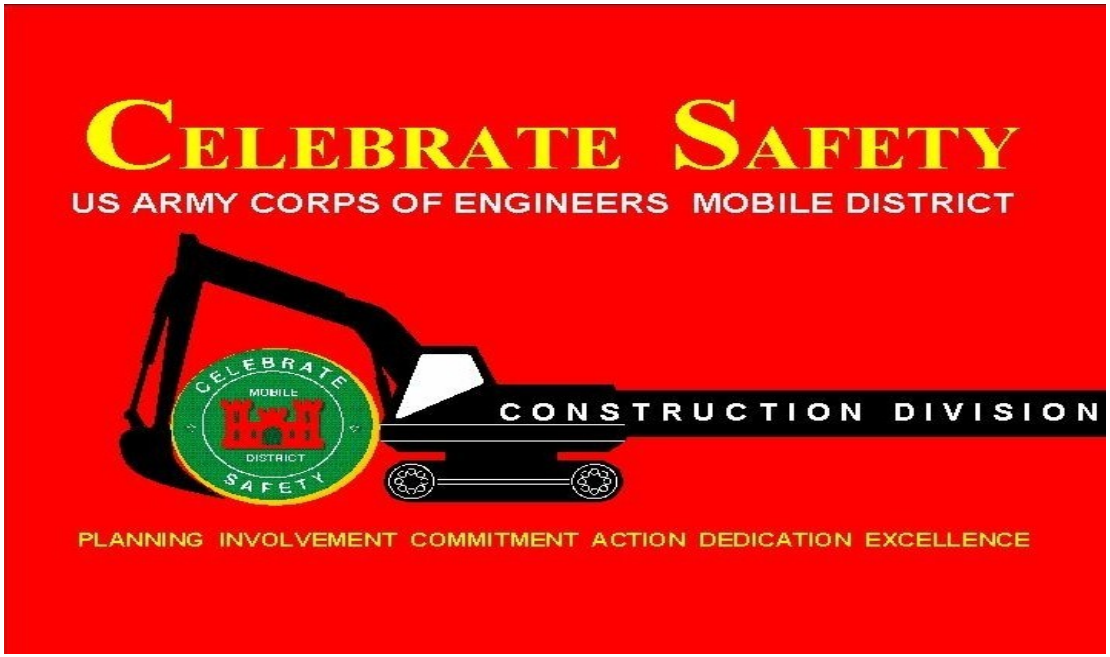
Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, AL



3rd Quarter 2003 Medium Project (CONUS)

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC.
SPEEGLE

SAFETY AT SPEEGLE CONSTRUCTION

- SAFETY PROGRAM
  1. TRAINING
     A. ANNUAL 10 HR OSHA FOR SUPERINTENDENTS/QC'S

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

SAFETY AT SPEEGLE CONSTRUCTION

- SAFETY PROGRAM
  1. TRAINING (Cont.)
     B. ANNUAL 1ST AID/CPR TRAINING

US Army Corps of Engineers
MOBILE DISTRICT

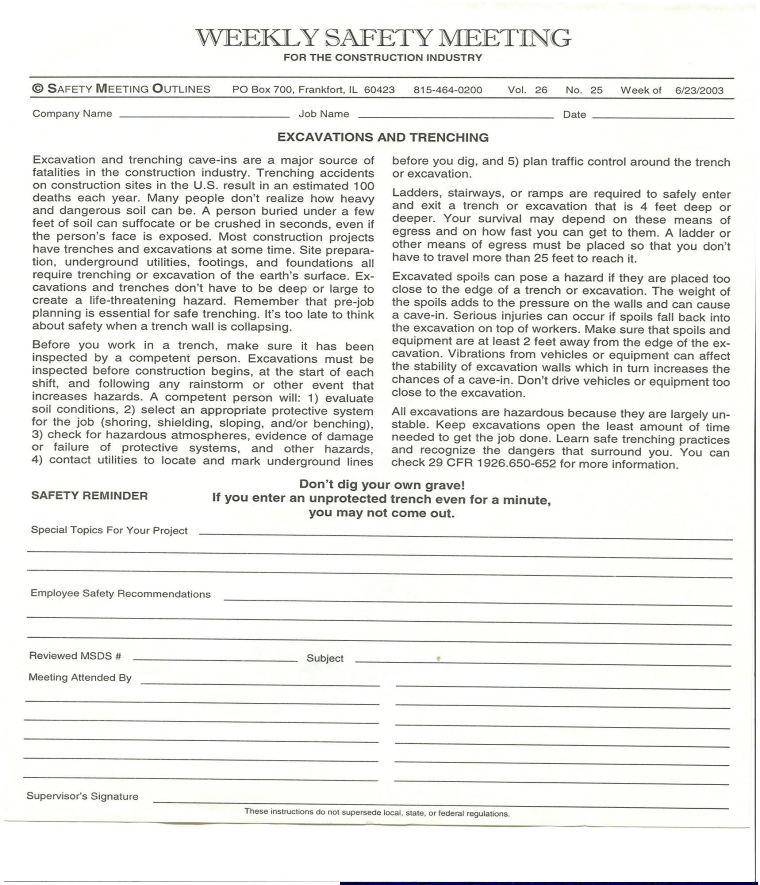
CONSTRUCTION INC. SPEEGLE

SAFETY AT SPEEGLE CONSTRUCTION

- SAFETY PROGRAM

  1. TRAINING (Cont.)

     C. WEEKLY TOOL BOX SAFETY MEETINGS



WEEKLY SAFETY MEETING

FOR THE CONSTRUCTION INDUSTRY

© SAFETY MEETING OUTLINES PO Box 700, Frankfort, IL 60423 815-464-0200 Vol. 26 No. 25 Week of 6/23/2003

Company Name _____ Job Name _____ Date _____

EXCAVATIONS AND TRENCHING

Excavation and trenching cave-ins are a major source of fatalities in the construction industry. Trenching accidents on construction sites in the U.S. result in an estimated 100 deaths each year. Many people don't realize how heavy and dangerous soil can be. A person buried under a few feet of soil can suffocate or be crushed in seconds, even if the person's face is exposed. Most construction projects have trenches and excavations at some time. Site preparation, underground utilities, footings, and foundations all require trenching or excavation of the earth's surface. Excavations and trenches don't have to be deep or large to create a life-threatening hazard. Remember that pre-job planning is essential for safe trenching. It's too late to think about safety when a trench wall is collapsing.

Before you work in a trench, make sure it has been inspected by a competent person. Excavations must be inspected before construction begins, at the start of each shift, and following any rainstorm or other event that increases hazards. A competent person will: 1) evaluate soil conditions, 2) select an appropriate protective system for the job (shoring, shielding, sloping, and/or benching), 3) check for hazardous atmospheres, evidence of damage or failure of protective systems, and other hazards, 4) contact utilities to locate and mark underground lines before you dig, and 5) plan traffic control around the trench or excavation.

Ladders, stairways, or ramps are required to safely enter and exit a trench or excavation that is 4 feet deep or deeper. Your survival may depend on these means of egress and on how fast you can get to them. A ladder or other means of egress must be placed so that you don't have to travel more than 25 feet to reach it.

Excavated spoils can pose a hazard if they are placed too close to the edge of a trench or excavation. The weight of the spoils adds to the pressure on the walls and can cause a cave-in. Serious injuries can occur if spoils fall back into the excavation on top of workers. Make sure that spoils and equipment are at least 2 feet away from the edge of the excavation. Vibrations from vehicles or equipment can affect the stability of excavation walls which in turn increases the chances of a cave-in. Don't drive vehicles or equipment too close to the excavation.

All excavations are hazardous because they are largely unstable. Keep excavations open the least amount of time needed to get the job done. Learn safe trenching practices and recognize the dangers that surround you. You can check 29 CFR 1926.650-652 for more information.

SAFETY REMINDER **Don't dig your own grave! If you enter an unprotected trench even for a minute, you may not come out.**

Special Topics For Your Project _____

Employee Safety Recommendations _____

Reviewed MSDS # _____ Subject _____

Meeting Attended By _____

Supervisor's Signature _____

These instructions do not supersede local, state, or federal regulations.

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

SAFETY AT SPEEGLE CONSTRUCTION

- SAFETY PROGRAM

2. INCENTIVE PROGRAM

A. QUARTERLY SAFETY AWARDS FOR JOBS WITH NO ACCIDENTS ($50 PER JOB)

B. ANNUAL CHECK OF $200 TO SUPERINTENDENT IF NO LOST TIME ACCIDENTS ON JOB

C. 3 NIGHT CRUISE FOR ONE EMPLOYEE AND GUEST FROM POOL OF HOURLY EMPLOYEES ON JOB WITH NO ACCIDENT

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

SAFETY AT SPEEGLE CONSTRUCTION

- SAFETY PROGRAM

  3. INSPECTIONS

     A. REGULAR INSPECTIONS BY CORPORATE SAFETY OFFICER.

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

SAFETY AT SPEEGLE CONSTRUCTION

- SAFETY PROGRAM

  3. INSPECTIONS

     B. WEEKLY INSPECTIONS BY DIRECTOR OF

     FIELD OPERATIONS

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

SAFETY AT SPEEGLE CONSTRUCTION

- SAFETY PROGRAM

  3. INSPECTIONS

     C. WEEKLY INSPECTIONS BY PROJECT MANAGERS

     D. DAILY INSPECTIONS BY JOBSITE SAFETY MANAGER

     E. QUARTERLY INSPECTIONS BY CNA LOSS CONTROL

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

SAFETY AT SPEEGLE CONSTRUCTION

- SAFETY PROGRAM

  4. SAFETY MANUALS/ RESOURCES

     A. PROJECT SPECIFIC SAFETY & ACCIDENT PREVENTION PLAN

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC.
SPEEGLE

SAFETY AT SPEEGLE CONSTRUCTION

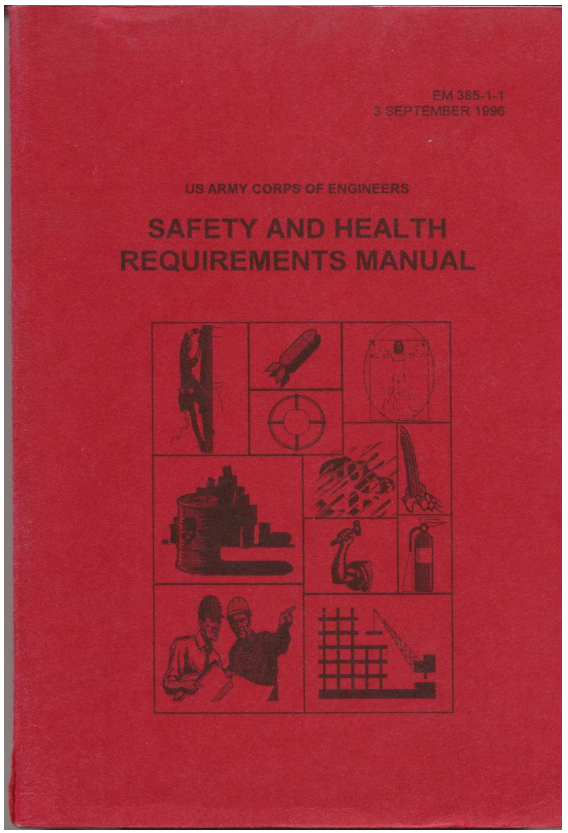
- SAFETY PROGRAM

  4. SAFETY MANUALS/ RESOURCES

     B. CORPS EM 385-1, SAFETY & HEALTH

     REQUIREMENTS

     MANUAL



US Army Corps of Engineers
MOBILE DISTRICT

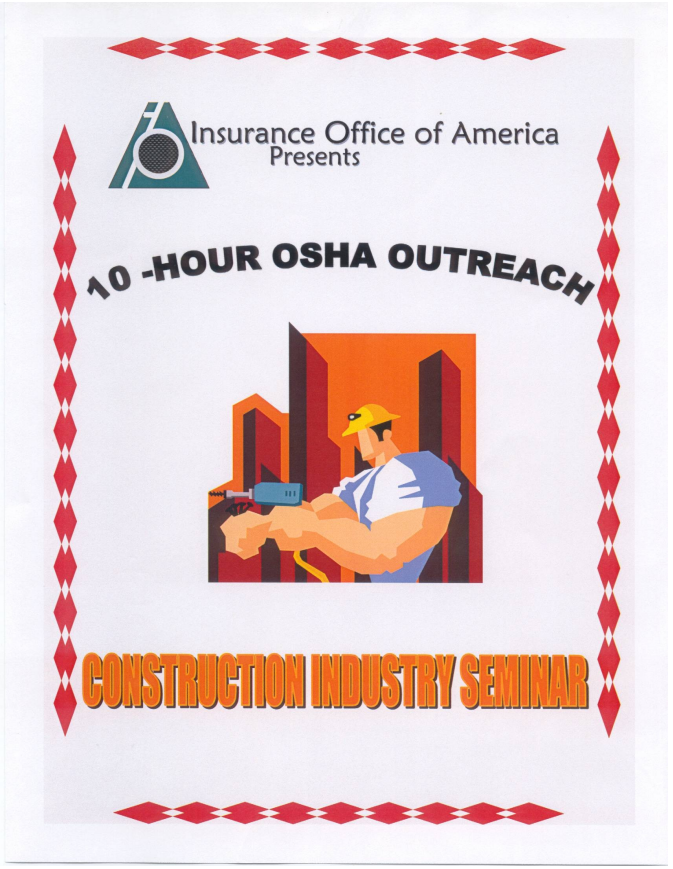
CONSTRUCTION INC.
SPEEGLE

SAFETY AT SPEEGLE CONSTRUCTION

- SAFETY PROGRAM

  4. SAFETY MANUALS/ RESOURCES

     C. IOA 10 HOUR OSHA OUTREACH MANUAL



US Army Corps of Engineers
MOBILE DISTRICT

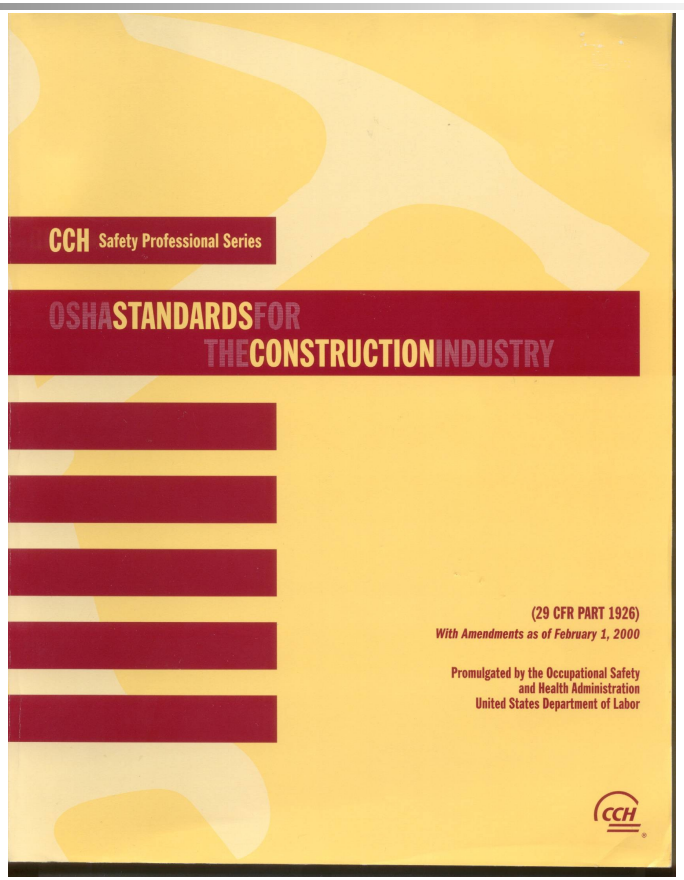
CONSTRUCTION INC.
SPEEGLE

SAFETY AT SPEEGLE CONSTRUCTION

- SAFETY PROGRAM

  4. SAFETY MANUALS/ RESOURCES

     D. 29 CFR PART 1926


CCH Safety Professional Series
OSHA STANDARDS FOR THE CONSTRUCTION INDUSTRY
(29 CFR PART 1926)
With Amendments as of February 1, 2000
Promulgated by the Occupational Safety and Health Administration
United States Department of Labor
CCH

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC.
SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, Al

- PROJECT OVERVIEW

- $3,033,000 Contract
- Renovation of 2 Hangars & the connecting Building
- PHASE 1 – 420 DAYS
- PHASE 2 – 180 DAYS

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC.
SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, Al

- SAFETY ISSUES/ HAZARDS

1. DEMOLITION OPERATIONS

- Falling Debris from Demo of 2nd floor structure

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, Al

- SAFETY ISSUES/ HAZARDS

1. DEMOLITION OPERATIONS

- falling off edge of partially demolished 2nd floor

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC.
SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, Al

- SAFETY ISSUES/ HAZARDS

1. DEMOLITION OPERATIONS

- injury to eyes from demo saws
- cutting torches
- exposed trenches from removal of covers over trenches

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, Al

- SAFETY ISSUES/ HAZARDS

2. Work on Roofs
   - Falling off Edge
   - Falling Debris
   - Damage to Aircraft

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, Al

- SAFETY ISSUES/ HAZARDS

3. Electrical

- Hanging of new lights and conduit in high bays

- Electrocution from existing panels/sub-panels that remained

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, Al

- SAFETY ISSUES/ HAZARDS

4. Steel Erection @ New 2nd Floor
   - Dropped Steel
   - Head Injuries

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, Al

- SAFETY ISSUES/ HAZARDS

5. Exposure to Asbesto
   Lead Paint
   - Pipe Insulation
   - Lead Paint on Hang
     Floors

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC.
SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, Al

- SAFETY ISSUES/ HAZARDS

6. HVAC/Plumbing

- Hanging of new pipe and

Air Handlers in Hangar

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC.
SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, Al

- SAFETY ISSUES/ HAZARDS

6. HVAC/Plumbing

   - Falling Debris from demolition of existing mezzanine/Air Handler

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC.
SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, AL

- SAFETY PROCEDURES/ REMEDIES

1. DEMOLITION OPERATIONS

- Falling Debris from Demo of 2nd floor mezzanine

REMEDY – Hard Hats/ Barricades

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, Al

- SAFETY PROCEDURES/ REMEDIES

1. DEMOLITION OPERATIONS

- Falling off edge of partially demolished 2nd floor

REMEDY – Temporary Safety Railing

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, AL

SAFETY PROCEDURES/ REMEDIES

1. DEMOLITION OPERATIONS

- injury to eyes from demo saws

  Remedy – Safety Goggles

- cutting torches

  Remedy – Goggles/Gloves

- exposed trenches from removal of covers over trenches

  Remedy – Plywood Covers

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, AL

- SAFETY PROCEDURES/ REMEDIES

2. Work on Roofs
   - Falling off Edge
     Remedy – Fall Protection;

     Warning Rails 6’ from Edge
   - Falling Debris
     Remedy - Coned off Areas & Locked Doors under work area
   - Damage to Aircraft
     Remedy – Daily cleaning; Walk around hangar 3 x per day for survey of FOD

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC.
SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, AL

- SAFETY PROCEDURES/ REMEDIES

3. Electrical

- Hanging of new lights and conduit in high bays

  Remedy – Safety Belts in Lifts; Barricades

- Electrocution from existing panels/sub-panels that remained

  Remedy – Proper Tag-Out/Lock-Out Procedures

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC.
SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, Al

- SAFETY PROCEDURES/ REMEDIES

4. Steel Erection @ New 2nd Floor

- Dropped Steel

Remedy – Barricades/Proper Slings

- Head Injuries

Remedy – Hard Hats

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, Al

- SAFETY PROCEDURES/ REMEDIES

5. Exposure to Asbestos/ Lead Paint
   - Pipe Insulation
   - Lead Paint on Hangar Floors

   Remedy – Removal by

   Licensed Abatement Contractor & Use of PPE

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC.
SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, AL

- SAFETY PROCEDURES/ REMEDIES

6. HVAC/Plumbing

- Falling Debris from demolition of existing mezzanine/Air Handlers

Remedy – Safety Belts in Lifts; Barricades

- Falling Debris from demolition of existing mezzanine/Air Handlers

Remedy - Barricades

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE

Repair Hangars 50207, 50209 and Building 50208, Fort Rucker, AL

- Conclusion

- Safety is not a series of gadgets but a state of mind.

- Being safe is like breathing. You never want to stop.

- Better a thousand times careful than once dead. ~ Proverb

US Army Corps of Engineers
MOBILE DISTRICT

CONSTRUCTION INC. SPEEGLE